

1906.

TYNE PORT SANITARY AUTHORITY.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

NEWCASTLE-UPON-TYNE:

ANDREW REID & COMPANY, LIMITED, PRINTING COURT BUILDINGS.

1906.

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Tyne Port Sanitary Authority.

CONSTITUTED BY LOCAL GOVERNMENT BOARD'S ORDER, DATED 29TH MARCH, 1897.

Elected by the Corporation of Newcastle.

ALDERMAN WILLIAM EDWARD KIRBY.
COUNCILLOR GEORGE CHRISTOPHER COATES (*Vice-Chairman*).
ALDERMAN ADAM WILSON.
COUNCILLOR HENRY FORSTER.
COUNCILLOR JOHN MATTHEW OUBRIDGE (*Lord Mayor*).
COUNCILLOR WILLIAM BRAMBLE.
COUNCILLOR WILLIAM MAXWELL.
COUNCILLOR JOHN GRAHAM COLE.

Elected by the Corporation of Gateshead.

ALDERMAN EDWARD SMITH HINDMARSH (*Chairman*).
ALDERMAN WILLIAM CLOUGH.
ALDERMAN ALEXANDER GILLIES (*Mayor*).

Elected by the Corporation of South Shields.

ALDERMAN THOMAS DUNN MARSHALL.
ALDERMAN JOHN ROBERT LAWSON.
COUNCILLOR ERNEST HENRY GIBBON.

Elected by the Corporation of Tynemouth.

ALDERMAN GEORGE DOBSON THOMPSON.
COUNCILLOR WILLIAM DODDS.

Elected by the Corporation of Jarrow.

COUNCILLOR ROBERT ARCHBOLD.

Elected by the Corporation of Wallsend.

ALDERMAN GEORGE AUBURN ALLAN.

Elected by the Felling Urban District Council.

DR. WILLIAM YEATES.

Elected by the Hebburn Urban District Council.

COUNCILLOR BERNARD KELLY.

Elected by the Blaydon Urban District Council.

COUNCILLOR REVEREND ALFRED BARRETT TEBB.

Elected by the Newburn Urban District Council.

COUNCILLOR HENRY CRUCKSHANKS McBEATH.

Elected by the Whickham Urban District Council.

COUNCILLOR WILLIAM DONNELLY.

Elected by the Willington Quay Urban District Council.

COUNCILLOR JOHN THOMAS WATSON.

Officers :

Medical Officer of Health	...	...	...	...	WM. EDMUND HARKER, M.D., B.S., D.Hy.
Clerk and Solicitor	...	...	...	...	R. SHERITON HOLMES.
Treasurer	...	...	...	...	JOHN J. PACE.
Inspector of Nuisances	...	...	...	...	CHARLES IRVIN.
Assistant Inspectors	...	...	...	...	JOHN RUSSELL, T. W. STURDY, J. W. DAVISON.

Offices : Caledonian Buildings, 145, Pilgrim Street, Newcastle-upon-Tyne.

Inspector's Station: Tyne Port Sanitary Offices, Mill Dam, South Shields.

Tyne Port Sanitary Authority.

TYNEMOUTH,

NORTHUMBERLAND,

January, 1907..

MR. ALD EDWARD SMITH HINDMARSH, J.P.,

CHAIRMAN OF THE TYNE PORT SANITARY AUTHORITY.

SIR,

I have the honour to present herewith my Annual Report for the year 1906.

During the year 20 patients were treated in the Floating Hospital. No cases of Cholera or Plague occurred in the Port.

I am, Sir,

Your obedient Servant,

W. EDMUND HARKER.

TYNE PORT SANITARY AUTHORITY.

Report of the Medical Officer of Health for the Year ended 31st December, 1906.

Infectious Disease in the Port.—Patients admitted into the Floating Hospital and White Leas Hospital.

During 1906, 20 patients have been treated in the Floating Hospital and, 1 was admitted into the White Leas Hospital.
The subjoined Table gives particulars as to the cases and their issue:—

TABLE I.

Floating Hospital.

Date of Admission.	Disease.	Cases Admitted.	Name of Vessel.	Where from.	Result.
1906.					
Jan. 20th ...	Measles ...	1	s.s. "Harlyn" ...	Bilboa, Middlesbro' ...	Discharged Feb. 1, 1906
" 29th ...	Diphtheria ...	1	s.s. "Tigris" ...	Kurrachee ...	" May 17, "
Mar. 8th ...	Smallpox...	1	s.s. "Trefusis" ...	Constantinople, Hamburg	" Mar. 21, "
Apr. 3rd ...	Enteric Fever ...	1	s.s. "Kolga" ...	Antwerp ...	" Apr. 11, "
" 12th ...	Smallpox...	1	s.s. "S. Radcliffe" ..	Piraeus, Falmouth ...	" May 8, "
" 31st ...	Enteric Fever ...	1	s.s. "Maria" ...	Bahia Blanca ...	" Aug. 7, "
July 5th ...	" "	1	s.s. "Port Caroline" ..	Valencia ...	" " 14, "
" 7th ...	" "	1	sch. "Willie" ...	London ...	" " 15, "
" 12th ...	" "	1	sch. "Brodrene" ...	St. Petersburg ...	" " 8, "
Aug. 3rd ...	Beri Beri...	1	s.s. "Katherine Park" ...	Rotterdam ...	" " 15, "
" 12th ...	Enteric Fever ...	1	"Little Pet" ...	Sea ...	Died " 22, "
" 15th ...	Smallpox...	1	s.s. "Lesseps" ...	Granton ...	Discharged " 30, "
" 20th ...	Enteric Fever ...	1	s.s. "Fairy" ...	Arbroath ...	" Sep. 25, "
" 24th ...	Chicken Pox ...	1	s.s. "Midnight Sun" ...	Bergen ...	" " 10, "
Sept. 3rd ...	Enteric Fever ...	3	s.s. "Henry Horn" ...	Dakar, Bona ...	Died " 24, "
" " ...	" "		" "	" "	Discharged Oct. 15, "
" " ...	" "		" "	" "	Died " 27, "
Oct. 25th ...	Pneumonia ...	1	s.s. "Bostak Bat" ...	Middlesbro' ...	Discharged Nov. 6, "
" 27th ...	Peritonitis ..	1	s.s. "Hermiston" ...	N. Orleans, Rotterdam	" " 1, "
Nov. 21st ...	Enteric Fever ...	1	s.s. "Romney" ...	Nicolaiev ...	" Dec. 3, "
		20			

White Leas Hospital.

1906.					
May 22nd ...	Smallpox...	1	s.s. "Tynemouth" ...	London ...	Discharged June 11, "

Vessels Boarded by the Medical Officer of Health.

39 vessels have been visited by Medical Officer of Health on account of reported or suspected sickness on board.

The following table gives the list of vessels boarded during 1906 by the Medical Officer of Health on account of disease on board during the voyage, or at the time of arrival in the Tyne :—

TABLE II.

Date.	Name of Vessel.	Nationality.	Where From.	Nature of Sickness.	REMARKS.
Jan. 20	s.s. "Harlyn" ...	British ...	Bilbao, Middlesbro'	Measles ...	A case of Measles was notified by Dr. Dougal, of Dunston, on the above vessel. The patient was removed to the Floating Hospital and the crew-spaces disinfected.
„ 29	s.s. "Tigris" ...	„ ..	Kurrachee ...	Diphtheria ...	A case of suspected Diphtheria was reported by the Surgeon in attendance on the above vessel. After consultation with the Medical Officer of Health, the patient was removed to the Floating Hospital.
Feb. 5	s.s. "Grenadier" ...	„ ...	Rotterdam...	Non-infectious ...	Medical Officer of Health examined two of the crew who were sick; one was suffering from Megrin and the other Influenza. Medical treatment recommended.
„ 19	s.s. "Sovereign" ...	Norwegian	Christiania...	„	Two of the crew found suffering from a non-infectious complaint. Medical treatment recommended.
„ 25	s.s. "Easdale" ...	British ...	Dundee ...	Carbon Monoxide Poisoning	Medical Officer of Health examined the dead body of the cook, and found that the cause of death was from Carbon Monoxide Poisoning. Subsequently an inquest was held and verdict returned in accordance with medical evidence.
Mar. 8	s.s. "Trefusis" ...	„ ...	Hamburg ...	Smallpox ...	The second engineer was removed to the Floating Hospital suffering from Smallpox. The vessel was disinfected and the contacts on board re-vaccinated.
„ 21	s.s. "Texas" ...	Danish ...	Copenhagen	Non-infectious ...	Two of the crew found suffering from a non-infectious complaint. Medical treatment recommended.
April 3	s.s. "Kolga" ...	German ...	Antwerp ...	Enteric Fever ...	Medical Officer of Health found one of the crew suffering from Enteric Fever, the patient was removed to the Floating Hospital. The drinking water tanks were emptied and thoroughly cleansed and refilled with fresh water.

TABLE II.—*Continued.*

Date.	Name of Vessel.	Nationality.	Where From.	Nature of Sickness.	REMARKS.
April 12	s.s. "Sarah Radcliffe"	British ...	Piraeus, Falmouth	Smallpox ...	Medical Officer of Health examined one of the crew, a donkeyman, and found him suffering from Smallpox. The case was removed to the Floating Hospital. The remainder of the crew were examined and found all well and were re-vaccinated. The vessel was thoroughly disinfected.
,, 18	,, ,,	,, ...	,, ...	,,	Medical Officer of Health revisited the vessel and found the crew all well.
,, 20	s.s. "Ghazee" ...	,, ...	Singapore, New York, Leith	Influenza ...	Medical Officer of Health examined one of the crew and found him suffering from Influenza. Medical treatment recommended.
May 22	s.s. "Tynemouth"	,, ...	London ...	Smallpox ...	Medical Officer of Health boarded vessel on account of a case of Smallpox being removed to the White Leas Hospital, South Shields. Remainder of crew examined and found all well. The vessel was disinfected.
,, 31	s.s. "Maria" ...	Dutch ...	Bahia Blanca	Enteric Fever ...	Medical Officer examined the second officer and found him suffering from Enteric Fever. The patient was removed to the Floating Hospital and the drinking water tanks were emptied and cleansed and crew-spaces disinfected.
June 2	s.s. "Mercia" ...	British ...	Sea ...	Epilepsy ...	Medical Officer of Health found the engineer suffering from Epilepsy. Medical treatment recommended.
,, 26	s.s. "King Gruffydd"	,, ...	Taganrog ...	Malarial Fever ...	Medical Officer of Health examined one of the crew and found him suffering from the effects of Malarial Fever. Medical treatment recommended.
July 6	s.s. "Port Caroline"	,, ...	Valencia ...	Enteric Fever ...	The second officer was removed to the Floating Hospital suffering from Enteric Fever. The drinking water was changed and tanks cleansed and re-cemented, and crew-spaces thoroughly disinfected.
,, 7	sch. "Willie" ...	,, ...	London ...	,,	One of the seamen was removed to the Floating Hospital suffering from Enteric Fever. The drinking water was changed and tanks cleansed, and forecastles disinfected.

TABLE II.—*Continued.*

Date.	Name of Vessel.	Nationality.	Where From.	Nature of Sickness.	REMARKS.
July 11	sch. "Brodrene" ...	Danish ...	St. Petersburg	Enteric Fever ...	The master's son was found to be suffering from Enteric Fever. The patient was removed to the Floating Hospital, and the drinking water was changed and casks cleansed, and cabins disinfected.
Aug. 1	s.s. "Katherine Park"	British ...	Rotterdam...	Peritonitis ...	Medical Officer of Health examined the body of one of the Asiatic seamen who had died on board from Peritonitis.
" 3	" "	" ...	" ...	Rupture ...	One of the Asiatic crew was removed to the Newcastle Royal Infirmary suffering from Rupture, and one to the Floating Hospital suffering with Beri-Beri.
" 7	s.s. "Dunolly" ...	" ...	Kurrachee ...	Suspected Plague	Medical Officer of Health examined the crew and found them all well.
" 12	s.s. "Little Pet" ...	" ...	Sea ...	Enteric Fever ...	One of the crew was found suffering from Enteric Fever. The patient was removed to the Floating Hospital. Forecastles, etc., were disinfected and the drinking water, which was found to be impure, was changed, and the tank thoroughly cleansed before refilling with fresh water.
" 15	s.s. "Lesseps" ...	Norwegian	Almeria, Granton	Smallpox ...	One of the firemen found suffering from Smallpox. The man was at once removed to the Floating Hospital. Vessel and effects of the crew were thoroughly disinfected. Also 24 of the crew, including the master's wife and child, re-vaccinated.
" 15	s.s. "Therese Horn"	German ...	Zaandam ...	Influenza ...	Medical Officer of Health examined one of the crew who was suffering from Influenza. Medical treatment recommended.
" 20	s.s. "Fairy" ...	British ...	Arbroath ...	Enteric Fever ...	Medical Officer of Health examined one of the crew who was suffering from Enteric Fever. The patient was removed to the Floating Hospital, and the drinking water changed and the tanks cleansed; also fore-castles disinfected.
" 24	s.s. "Midnight Sun"	" ...	Bergen ...	Chickenpox ...	One of the passengers found suffering from Chickenpox. The case was removed to the Floating Hospital and the vessel disinfected.

TABLE II.—*Continued.*

Date.	Name of Vessel.	Nationality.	Where from.	Nature of Sickness.	REMARKS.
Aug. 25	s.s. "Elsa" ...	Norwegian	Libau ...	Dropsy ...	One of the crew found suffering from Dropsy and recommended to the Ingham Infirmary.
„ 29	s.s. "Broadmayne" ...	British ...	Rouen ...	Cramp ...	One of the crew found suffering from Firemen's Cramp.
„ 31	s.s. "Henry Horn" ...	German ...	Bona ...	Enteric Fever ...	Three of the crew were found suffering from Enteric Fever. The patients were removed to the Floating Hospital, and the drinking water, which was the probable source of infection, changed, and tanks thoroughly cleansed, and re-filled with fresh water. Fore-castles and cabins were disinfected.
„ 31	s.s. "Camma" ...	Norwegian	Leith ...	Accident ...	One of the crew found suffering from an injured back. Medical treatment recommended.
Sept. 6	s.s. "Morpeth" ...	British ...	Christianstad	Rheumatism ...	One of the crew found suffering from Rheumatism. Medical treatment recommended.
„ 6	s.s. "Blanka" ...	Norwegian	Rotterdam ...	„ ...	One of the crew found suffering from Rheumatism. Medical treatment recommended.
Oct. 25	s.s. "Bostak Bat" ...	Spanish ...	Bilbao, Middlesbro'	Pneumonia ...	One of the crew was removed to the Floating Hospital as a suspected case of Enteric Fever. The case proved to be acute Pneumonia.
„ 27	s.s. "Hermiston" ...	British ...	Rotterdam ...	Peritonitis ..	One of the crew was removed to the Floating Hospital as a suspected case of Enteric Fever, which afterwards proved to be acute Peritonitis. The patient was removed to the Royal Infirmary, Newcastle, for surgical treatment.
„ 29	s.s. "Barra" ...	„ ...	Hamburg ...	Non-infectious ...	Medical Officer of Health boarded the vessel and found two of the crew suffering from a non-infectious complaint. Medical treatment recommended.
Nov. 22	s.s. "Eleanora Mail" ...	„ ...	Rotterdam ...	Accident ...	Medical Officer of Health examined a fireman and found him suffering from the effects of an accident, and ordered his removal to the Royal Infirmary, Newcastle.

TABLE II.—*Continued.*

Date.	Name of Vessel.	Nationality.	Where from.	Nature of Sickness.	REMARKS.
Dec. 6	s.s. "Gloamin" ...	British ...	Kurrachee, Hull	Pleurisy ...	Medical Officer of Health visited the vessel and examined one of the crew suffering from Pleurisy, and recommended his removal to the Royal Infirmary, Newcastle.
,, 10	Bk. "Wansbeck"...	Norwegian	Christiansand	Accident ...	Medical Officer of Health examined one of the crew who was suffering from injury to hand. Medical treatment recommended.
,, 26	s s. "Franconia" ...	Austrian	Rotterdam ...	Paralysis ...	One of the crew found suffering from Paralysis. Medical treatment recommended.

SMALLPOX AND SUSPECTED SMALLPOX.

Date.	Name of Vessel.	From.	On Voyage	On or after Arrival.	Remarks.	Notes on Arrival in Tyne.
1906.						1906.
Feb. 26 ...	s.s. "Trefusis" ...	Kustendje and Hamburg	7	1	Case removed to Floating Hospital.	Vessel and crew's effects disinfected here.
Apr. 12 ...	s.s. "Sarah Radcliffe" ...	Piræus and Falmouth	1	1	Case removed to Floating Hospital.	Vessel and crew's effects disinfected here.
May 22 ...	s.s. "Tynemouth" ...	London ...	—	1	Case removed to White Leas Hospital	Vessel and crew's effects disinfected here.
June 2 ...	s.s. "Tynemouth" ...	London ...	1	—	Case landed at London.	Vessel and crew's effects disinfected at London.
Aug. 15 ...	s.s. "Lesseps" ...	Almeria and Granton	—	1	Case removed to Floating Hospital.	Vessel and crew's effects disinfected here.
Sept. 25 ...	s.s. "Carmen Roca" ...	Hartlepool ...	1	—	Case landed at Hartlepool.	Vessel disinfected at Hartlepool.
Nov. 30 ...	s.s. "Cape Comino" ...	Marseilles and Hartlepool	—	1	The Messroom Steward developed Smallpox on his arrival at Gateshead from Hartlepool.	Vessel disinfected at Hartlepool.
			10	5		

MEASLES.

Date.	Name of Vessel.	From.	On Voyage.	On or after Arrival.	Remarks.	Notes on Arrival in Tyne.
1906.						
Jan. 20 ...	s.s. "Harlyn" ...	Bilbao and Middlesbro'	—	1	Case removed to Floating Hospital.	Vessel disinfected here.
			—	1		

TYPHUS FEVER.

Mar. 21 ...	s.s. "St. Ninian" ...	Buenos Ayres and Rosario	3	—	Cases removed at Rosario.	Vessel disinfected at Rosario.
			3	—		

SCARLET FEVER.

May 4 ...	s.s. "New Londoner"	London ..	1	—	Case landed at London.	Vessel disinfected at London.
			1	—		

INFLUENZA.

Twenty-four cases reported on voyage and on arrival.

ENTERIC OR TYPHOID FEVER.

Date.	Name of Vessel.	From.	On Voyage.	On or after Arrival.	Remarks.	Notes on arrival in Tyne.
1906.						1906.
Jan. 13 ...	s.s. "Victoria" ...	Novorossisk and Bremerhaven	1	—	Case landed at Port Said.	Vessel disinfected at Port Said.
Feb. 14 ...	s.s. "Batoum" ...	London ...	1	—	Case landed at London.	Vessel disinfected at London
April 3 ...	s.s. "Kolga" ...	Antwerp ...	—	1	Case removed to Floating Hospital.	Vessel disinfected here.
,, 16 ...	s.s. "Chumleigh" ...	Bahia Blanca. .	4	—	Cases landed at Bahia Blanca	Vessel disinfected at Bahia Blanca.
,, 20 ...	s.s. "African Prince"	River Plate and Antwerp	1	—	Case landed at Buenos Ayres.	Vessel disinfected at Buenos Ayres.
May 17 ...	s.s. "Dorothy" ...	Poti and Rotterdam	3	—	Cases landed at Poti.	Vessel disinfected at Poti.
,, 31 ...	s.s. "Maria" ...	Bahia Blanca...	—	1	Case removed to Floating Hospital.	Vessel disinfected here.
June 25 ...	s.s. "City of Cork" ...	Rosario ...	1	—	Case landed at Rosario.	Vessel disinfected at Rosario.
July 3 ...	s.s. "Prestfield" ...	Bahia Blanca...	1	—	Case landed at Bahia Blanca.	Vessel disinfected at Bahia Blanca.
,, 5 ...	s.s. "Port Caroline"	Valencia ...	—	1	Case removed to Floating Hospital.	Vessel disinfected here.
,, 6 ...	sch. "Willie" ...	London ...	—	1	Case removed to Floating Hospital.	Vessel disinfected here.
,, 12 ...	sch. "Brodrene" ...	St. Petersburg	—	1	Case removed to Floating Hospital.	Vessel disinfected here.
Aug. 12 ...	"Little Pet" ...	Sea ...	—	1	Case removed to Floating Hospital.	Vessel disinfected here.
,, 20 ...	s.s. "Fairy" ...	Arbroath ...	—	1	Case removed to Floating Hospital.	Vessel disinfected here.
Sept. 3 ...	s.s. "Henry Horn" ...	Dakar and Bona	—	3	Cases removed to Floating Hospital.	Vessel disinfected here.
,, 24 ...	s.s. "Mattewan" ...	Galveston and Havre	1	—	Case landed at Galveston.	Vessel disinfected at Galveston.
Nov. 6 ...	s.s. "Anglo Australian"	Savannah and Liverpool	2	—	Cases landed at Liverpool.	Vessel disinfected at Liverpool.
,, 7 ...	s.s. "Manica" ...	Norfolk, V., and Rotterdam	1	—	Case landed at Colombo.	
,, 20 ...	s.s. "Romney" ...	Nicolaiev ...	—	1	Case removed to Floating Hospital.	Vessel disinfected here.
Dec. 26 ...	s.s. "Lucerna" ...	Philadelphia & Copenhagen	1	—	Case landed at Philadelphia.	Vessel disinfected at Philadelphia.
			17	11		

DIARRHŒA, CHOLERAIC DIARRHŒA AND SUSPICIOUS CASES.

Date		Name of Vessel.		From.				No. of Cases.			
								On Voyage.	On or after Arrival.		
1906.											
Jan.	15	...	..	s.s. "Rustington "	...	...	River Plate, Rotterdam	...	...	1	—
Feb.	23	...	...	s.s. "Rhodesia "	...	...	Sea	...	...	1	—
Mar.	19	...	...	s.s. "Birnam "	...	...	Rosario	...	..	1	—
Apr.	8	...	...	s.s. "Camilla "	...	...	Arendal	...	...	—	1
Aug.	9	...	...	s.s. "Cuba "	...	...	Hull	...	...	—	1
Sept.	7	...	...	s.s. "Juno "	...	...	Antwerp	...	..	1	—
"	13	...	...	s.s. "Sailor Prince "	...	...	Sea	...	...	—	1
"	17	...	...	s.s. "Blanka "	...	...	Rotterdam	...	...	1	—
"	19	...	...	s.s. "Resolute "	...	...	Bilbao	..	...	1	—
Nov.	2	...	...	s.s. "T. W. Mould "	...	...	Sea	...	...	1	—
"	14	...	...	s.s. "Glenmoor "	...	...	Sulina, Antwerp	...	...	1	—
"	19	...	...	s.s. "St. Vincent "	...	...	Sea	...	...	2	—
Dec.	14	...	...	s.s. "Agnes "	...	...	Sea	...	...	1	—
				Total				...		11	3

MALARIAL FEVER.

1906.				
June 26	s.s. "King Gruffydd"	Taganrog	1	—
Oct. 3	s.s. "Conningsty"	Hong Kong, Hartlepool	6	—
" 9	s.s. "Coomassie"	Teneriffe	5	—
" 16	s.s. "Whitehall"	New Orleans, Hamburg	12	—
Dec. 5	s.s. "Kirkstall"	Gulf Port, Rotterdam	7	—
" 8	s.s. "Palatinia"	Black Sea, Hamburg	—	1
" 15	s.s. "Bernicia"	Buenos Ayres, Antwerp	2	—
Total ...			33	1

DYSENTERY.

1906.				
Dec. 14	s.s. "Kirkstall"	Gulf Port, Rotterdam	1	—
Total ...			1	—

GENERAL SICKNESS ON BOARD

The subjoined Table gives a return of cases of Sickness* reported by Masters
notice of the Tyne Port Officials

TABLE

DATE. 1906.	Smallpox or Suspected Smallpox.	Scarlet Fever.	Typhus Fever.	Enteric or Typhoid Fever.	Malarial Fever.	Diarrhoea or Choleraic Diarrhoea.	Measles.	Gastric Fever.	Influenza.	Beri Beri.	Heart Disease.	Diphtheria.	Inflammation.	Blood Poisoning.	Venereal.	Consumption.
January	...	...	...	1	...	1	^o 1	...	...	...	1	^o 1	...	1	3	...
February	...	^o 8	...	1	...	1	...	...	4	...	^{xx} 2	...	...	...	...	..
March ...	...	...	...	3	...	1	...	2	1	...	1	1	3	...	5	^x 2
April ...	...	^o 2	...	^{ooxx} 6	...	1	...	...	2	^x 5	^x 2	^x 2	1	...	7	^{xx} 2
May ...	...	[*] 1	1	...	^o 3	...	...	...	4	...	^x 1	...	2	...	4	2
June ...	..	1	...	...	2	1	...	...	...	...	...	1	...	1	6	...
July ...	...	...	...	...	^{ooo} 4	...	...	...	...	^o 1	1	...	2	...	3	...
August ...	...	^o 1	...	...	^{oox} 2	...	1	...	1	...	1	...	^{xxx} 4	...	4	1
September	...	1	...	...	^{ooo} 4	...	4	...	1	^x 1	...	^x 1	1	...	2	...
October	...	...	...	...	...	23	...	...	3	...	^x 1	...	1	...	10	1
November	...	1	...	...	^o 4	...	4	...	4	...	1	...	...	...	2	...
December	...	...	...	1	10	1	...	...	4	...	1	...	...	...	3	...
TOTALS ..	15	1	3	28	34	14	1	2	24	7	12	6	14	2	49	8

The names of the Diseases during voyage are given as reported by the Masters of the Vessels.

VESSELS ARRIVING IN TYNE PORTS.

of Vessels as having occurred during the Voyage, or coming under the
in each month of the year 1906.

IV.

Rheumatism.	Cold.	Lumbago.	Pneumonia.	Pleurisy.	Tonsillitis.	Cramp.	Indigestion.	Rupture.	Debility.	Insanity.	Paralysis.	Intemperance.	Peritonitis.	Bronchitis.	Chicken Pox.	Dysentery.	Accidents.	TOTALS.
4	14	...	...	...	1	...	2	...	3	...	...	...	...	1	...	...	^x 5	36
1	14	2	...	...	...	1	...	1	1	1	...	...	...	...	...	...	^x 6	45
2	10	...	1	...	...	...	...	1	2	...	...	...	...	1	...	...	4	39
1	5	...	...	1	...	...	2	1	...	...	...	...	...	...	...	...	^x 6	43
3	5	...	...	1	1	1	5	...	...	...	...	...	...	...	...	...	^{xx} 5	44
2	2	2	...	...	...	...	1	1	...	...	2	...	...	...	...	...	6	28
2	3	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	3	19
3	1	1	...	2	...	1	...	2	...	...	...	...	...	^x 3	^o 1	...	^x 1	31
2	4	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	^x 4	27
1	5	...	^o 1	...	...	...	...	...	...	...	...	2	^o 1	...	...	...	2	52
3	6	1	2	...	...	...	...	...	1	1	...	...	...	1	...	...	^{xx} 8	39
2	9	1	...	^x 2	...	...	1	...	...	...	1	...	...	1	...	1	^x 7	45
26	78	8	4	6	2	3	11	7	7	2	3	2	1	9	1	1	57	448

x Deaths.

o Removed to Tyne Floating Hospital.

* Removed to Shore Hospitals.

Vessels arriving from Infected or Suspected Ports.*

The following return shows the number of Vessels boarded in this Port by the Officers of the Port Sanitary Authority, on account of coming directly or otherwise from Foreign Ports infected, or suspected to be infected, with Cholera, Yellow Fever, Plague, or Smallpox:—

MONTHS.				From Infected Ports.		From Suspected Ports.		TOTALS.
				Direct to the Tyne.	To the Tyne Indirectly.	Direct to the Tyne.	To the Tyne Indirectly.	
1905.				No. of Vessels.	No. of Vessels.	No. of Vessels.	No. of Vessels.	
January	...	...	...	10	21	2	4	37
February	...	...	...	10	24	3	7	44
March ..	...	...	...	8	23	4	5	40
April ...	...	...	...	16	24	4	6	50
May ...	...	...	...	12	23	3	6	44
June ...	...	...	...	11	13	1	6	31
July ...	...	...	...	12	18	2	4	36
August	...	...	...	3	16	3	2	24
September	...	...	...	6	18	3	1	28
October	...	...	...	4	25	3	3	35
November	...	...	...	7	16	2	—	25
December	...	...	...	7	21	2	5	35
Total	...	...	...	106	242	32	49	429

* See Opposite Page.

Vessels arriving in the Tyne from infected ports were boarded by the Officers of the Tyne Port Sanitary Authority, as under:—

NAME OF PORTS.		Direct to the Tyne.	To the Tyne Indirectly.	NAME OF PORTS.		Direct to the Tyne.	To the Tyne Indirectly.
Alexandria ...	...†	—	7	<i>Brought Forward</i> ...		95	194
Buenos Ayres	*†	5	8	Pernambuco ...	*	1	1
Bahia Blanca	*§	6	3	Port Said ...	...§	—	2
Bombay ...	*§	—	12	Persian Gulf ...	...§	—	2
Bilbao ...	...*	70	115	Piraeus ...	...*	1	2
Calcutta ...	...§	—	3	Rio Janeiro ...	†§	1	3
Carthagena ...	...*	2	24	River Plate ...	†§	8	24
Caleta Buena	...§	—	1	Rangoon ...	†§	—	3
Garrucha ...	...*	8	2	Singapore ...	...§	—	6
Iquique ...	...§	2	7	Smyrna ...	*§	—	4
Kurrachee ...	...†	2	11	Santos ...	*§	—	1
Monte Video	...§	—	1				
<i>Carried Forward</i> ...		95	194	Total ...	...	106	242

* Smallpox.
† Yellow Fever.

‡ Cholera.
§ Plague.

Emigrants.

Emigrant vessels coming to the Tyne have, as heretofore, been visited by the Inspectors on arrival, and kept under supervision whilst in port.

Information as to Emigrants debarking here and proceeding overland to other British Ports, continues to be forwarded to the Medical Officers of Health of the respective Ports.

The number of Emigrants passing through the Tyne Port during 1906, so far as is known, was as follows :—

								No. of Emigrants.
For America by	White Star Line	from	Liverpool	...	...	...	...	1,209
„	„	Cunard Line	„	„	...	...	...	1,355
„	„	American Line	„	„	...	...	...	409
„	„	Allan Line	„	„	...	...	...	361
„	„	Anchor Line	from	Glasgow	...	...	...	256
„	„	Dominion Line	from	Liverpool	...	...	...	114
„	„	Canadian Pacific	...	...	...	...	...	173
								3,877

General Sanitary Work.

The following is the report of inspections made and other work done by Inspector Irvin and his assistants :—

Vessels inspected during the year 1906 :—

British Steamers	...	...	...	...	...	...	...	...	3,825
„ Sailing Vessels		...	...	...	...	...	...	...	242
„ Fishing „		...	...	...	...	...	...	...	1,414
Foreign Steamers	...	...	...	...	...	...	...	...	2,241
„ Sailing Vessels		...	...	...	...	...	...	...	314
			Total	...	...	...	...	...	8,036
Extra Visits Paid	...	...	...	...	...	...	...	...	362
Visits to Water Boats		...	...	...	...	...	...	...	18
„ Gangways	...	...	...	...	...	...	...	...	17
			Total Number of Visits				...	...	8,433

The peaks, forecastles, water closets, and bilges of the vessels specified under were found in dirty condition. Orders given to cleanse same were fully complied with.

British Steamers	...	...	...	...	...	...	...	97
„ Sailing Vessels	...	...	...	...	...	...	...	45
„ Fishing Vessels	...	...	...	...	...	...	...	51
Foreign Steamers	...	...	...	...	...	...	...	106
„ Sailing Vessels	...	...	...	...	...	...	...	49
Total								348

Total number of crews of vessels visited by the Inspectors	...	...	131,193
„ „ passengers „ „ „ „	...	...	29,365
„ „ emigrants arriving in the Tyne „	...	...	3,877
Total			164,435

Vessels arriving Coastwise and inspected	...	...	2,966
Fishing vessels arriving Coastwise and inspected	...	...	1,414
Vessels arriving from Foreign Ports and inspected	...	...	3,656
			8,036

Special Cargoes Inspected.

Among the different cargoes examined by the Inspectors were the undermentioned :—

Description.	Onions.	Wheat.	Foreign and British Fish.	Potatoes.	Fruit.	Rags.	Cattle.	Total.
No. of Consignments examined	3	75	1,414	9	48	1	3	1,553

Water=Boats and Water Supply to Ships in Port.

The water-boats, 18 in number, have been examined as usual, and the tanks found in good condition.

In 66 cases the *drinking water* of ships, which came from Ports infected, or suspected to be infected, with Cholera, has been changed, and the purification of the tanks has been seen to by the Inspector, acting under the direction of the Medical Officer of Health.

Advices as to Sickness

on shipboard, and other matters, continued to be received from and forwarded to the Health Departments of other British Port Sanitary Authorities.

Clothing and Bedding.

31 vessels and several lots of clothing or bedding have been **disinfected**. 205 old beds have been burnt, and 8 lots of filthy clothing has been destroyed, on account of infection.

Passenger Steamers.

The Passenger Steamers arriving continue to be regularly visited and examined

Smoke Nuisance.

The Inspector reports that 8 observations of evolution of dense smoke have been made, and that in each case the offender has been communicated with.

Fishing Boats.

The total arrival of fishing vessels at the Quay, North Shields, steam and sailing, is 13,749* (6,297 Trawlers and 7,452 Herring Boats), as compared with a total of 13,424 in the previous year. 51 of these, in foul condition, were cleansed and deodorized on notice from the Inspector. The rest were in good order.

* From a return courteously furnished by Mr. Thos. MacKenzie, Quay Master, North Shields.

Foul Cattle Ships.

The Inspector reports that 3 Cattle Ships arrived in the Port direct with cattle, and 4 after having landed cattle elsewhere. They were cleansed under his supervision.

Regulations.

Copies of Regulations issued have, as usual, been posted on all gangways, and delivered on board of vessels in the port.

Cholera and Plague.

No cases of Cholera or Plague were imported during the year 1906.

W. EDMUND HARKER, M.D., D.Hy.,
Medical Officer.

*Tynemouth,
January 1907.*

